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RAW SEQUENCE LISTING   DATE: 07/23/2002
PATENT APPLICATION: US/08/952,570B   TIME: 14:37:20

Input Set : A:\08269-006001.txt
Output Set: N:\CRF3\07232002\H952570B.raw   **ENTERED**

```
 4 <110> APPLICANT: Lunderbert, Joakim
 5        Uhlen, Mathias
 7 <120> TITLE OF INVENTION: METHOD FOR ACTIVATING A REVERSIBLY INACTIVATED IMMOBILIZED
ENZYME
 8        BY RELAEASE FROM AN IMMOBILIZING MOIETY AND ITS USE IN NUCLEIC ACID
 9        AMPLIFICATION REACTIONS
11 <130> FILE REFERENCE: 08269-006001
13 <140> CURRENT APPLICATION NUMBER: US 08/952,570B
C--> 14 <141> CURRENT FILING DATE: 1997-11-10
16 <150> PRIOR APPLICATION NUMBER: PCT/GB96/01108
17 <151> PRIOR FILING DATE: 1996-05-09
19 <150> PRIOR APPLICATION NUMBER: GB/9509336.5
20 <151> PRIOR FILING DATE: 1995-05-09
22 <160> NUMBER OF SEQ ID NOS: 23
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 32
28 <212> TYPE: DNA
29 <213> ORGANISM: Thermus aquaticus
31 <400> SEQUENCE: 1
32 gggaattcca tggacgatct gaagctctcc tg                        32
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 32
36 <212> TYPE: DNA
37 <213> ORGANISM: Thermus aquaticus
39 <400> SEQUENCE: 2
40 ccccaagctt ctgcaggatc ttctccacga tg                        32
42 <210> SEQ ID NO: 3
43 <211> LENGTH: 20
44 <212> TYPE: DNA
45 <213> ORGANISM: Thermus aquaticus
47 <400> SEQUENCE: 3
48 gaagatcctg cagtaccggg                                      20
50 <210> SEQ ID NO: 4
51 <211> LENGTH: 26
52 <212> TYPE: DNA
53 <213> ORGANISM: Thermus aquaticus
55 <400> SEQUENCE: 4
56 gggtcgacct ccttggcgga gagcca                               26
58 <210> SEQ ID NO: 5
59 <211> LENGTH: 15
60 <212> TYPE: DNA
61 <213> ORGANISM: Thermus aquaticus
63 <400> SEQUENCE: 5
```

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Input Set : **A:\08269-006001.txt**
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```
 64 gtcgactaac tgcag                                               15
 66 <210> SEQ ID NO: 6
 67 <211> LENGTH: 27
 68 <212> TYPE: DNA
 69 <213> ORGANISM: Artificial Sequence
 71 <220> FEATURE:
 72 <223> OTHER INFORMATION: Synthetically generated primer
 74 <220> FEATURE:
 75 <221> NAME/KEY: misc_feature
 76 <222> LOCATION: (1)...(1)
 77 <223> OTHER INFORMATION: n = modified nucleotide (fluorescein-labeled c)
 79 <400> SEQUENCE: 6
 80 nagtcacgac gttgtaaaac ggccagt                                  27
 82 <210> SEQ ID NO: 7
 83 <211> LENGTH: 37
 84 <212> TYPE: DNA
 85 <213> ORGANISM: Artificial Sequence
 87 <220> FEATURE:
 88 <223> OTHER INFORMATION: Synthetically generated primer
 90 <400> SEQUENCE: 7
 91 ccctgatcac catgggcgca acacgatgaa gccgtag                       37
 93 <210> SEQ ID NO: 8
 94 <211> LENGTH: 51
 95 <212> TYPE: DNA
 96 <213> ORGANISM: Artificial Sequence
 98 <220> FEATURE:
 99 <223> OTHER INFORMATION: Synthetically generated primer
101 <400> SEQUENCE: 8
102 gggggatcca tgtagtgagc gaaggtacca ttcgcgtcta ctttcggcgc c        51
104 <210> SEQ ID NO: 9
105 <211> LENGTH: 36
106 <212> TYPE: DNA
107 <213> ORGANISM: Streptococcus
109 <400> SEQUENCE: 9
110 ccgaattcgc tagcttagct gaagctaaag tcttag                        36
113 <210> SEQ ID NO: 10
114 <211> LENGTH: 32
115 <212> TYPE: DNA
116 <213> ORGANISM: Streptococcus
118 <400> SEQUENCE: 10
119 ccggtaccag gtaatgcagc taaaatttca tc                            32
121 <210> SEQ ID NO: 11
122 <211> LENGTH: 27
123 <212> TYPE: DNA
124 <213> ORGANISM: Coxsackievirus
126 <400> SEQUENCE: 11
127 aatttggaag ctctgttcca gggtccg                                  27
129 <210> SEQ ID NO: 12
130 <211> LENGTH: 27
```

RAW SEQUENCE LISTING   DATE: 07/23/2002
PATENT APPLICATION: US/08/952,570B   TIME: 14:37:20

Input Set : A:\08269-006001.txt
Output Set: N:\CRF3\07232002\H952570B.raw

```
131 <212> TYPE: DNA
132 <213> ORGANISM: Coxsackievirus
134 <400> SEQUENCE: 12
135 aattcggacc ctggaacaga gcttcca                                27
137 <210> SEQ ID NO: 13
138 <211> LENGTH: 63
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Synthetically generated primer
145 <220> FEATURE:
146 <221> NAME/KEY: misc_feature
147 <222> LOCATION: (1)...(1)
148 <223> OTHER INFORMATION: n = modified nucleotide (biotin-conjugated c)
150 <400> SEQUENCE: 13
151 ntagtagcct gcgccagatc ctggacagcc agaaaatsga atggcgcagc aacgctggtg    60
152 gtg                                                         63
154 <210> SEQ ID NO: 14
155 <211> LENGTH: 63
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Synthetically generated primer
162 <220> FEATURE:
163 <221> NAME/KEY: misc_feature
164 <222> LOCATION: (1)...(1)
165 <223> OTHER INFORMATION: n = modified nucleotide (biotin-conjugated c)
167 <400> SEQUENCE: 14
168 ntagcaccac cagcgttgct gcgccattcs attttctggc tgtccaggat ctggcgcagg    60
169 caa                                                         63
172 <210> SEQ ID NO: 15
173 <211> LENGTH: 30
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Synthetically generated primer
180 <220> FEATURE:
181 <221> NAME/KEY: misc_feature
182 <222> LOCATION: (1)...(1)
183 <223> OTHER INFORMATION: n = modified nucleotide (his-conjugated c)
185 <400> SEQUENCE: 15
186 ntagtcacca ccaccaccac cacggtggtg                            30
188 <210> SEQ ID NO: 16
189 <211> LENGTH: 30
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Synthetically generated primer
196 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 07/23/2002
PATENT APPLICATION: US/08/952,570B   TIME: 14:37:20

Input Set : **A:\08269-006001.txt**
Output Set: **N:\CRF3\07232002\H952570B.raw**

```
197 <221> NAME/KEY: misc_feature
198 <222> LOCATION: (1)...(1)
199 <223> OTHER INFORMATION: n = modified nucleotide (his-conjugated c)
201 <400> SEQUENCE: 16
```
W--> **202 ntagcaccac cgtggtggtg gtggtggtga**   30
```
204 <210> SEQ ID NO: 17
205 <211> LENGTH: 35
206 <212> TYPE: DNA
207 <213> ORGANISM: Thermus aquaticus
209 <400> SEQUENCE: 17
210 cacgcgtcga cctccttggc ggagagccag tcctc                        35
212 <210> SEQ ID NO: 18
213 <211> LENGTH: 21
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Synthetically generated primer
220 <400> SEQUENCE: 18
221 tcgactaact gcaggcatgc a                                       21
224 <210> SEQ ID NO: 19
225 <211> LENGTH: 21
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Synthetically generated primer
232 <400> SEQUENCE: 19
233 agcttgcatg cctgcagtta g                                       21
235 <210> SEQ ID NO: 20
236 <211> LENGTH: 27
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Synthetically generated primer
243 <220> FEATURE:
244 <221> NAME/KEY: misc_feature
245 <222> LOCATION: (1)...(1)
246 <223> OTHER INFORMATION: n = modified nucleotide (fluorescein-labeled c)
248 <400> SEQUENCE: 20
```
W--> **249 nagtcacgac gttgtaaaac ggccagt**   27
```
251 <210> SEQ ID NO: 21
252 <211> LENGTH: 23
253 <212> TYPE: DNA
254 <213> ORGANISM: Homo sapiens
256 <400> SEQUENCE: 21
257 tgaaaatgac tgaatataaa ctt                                     23
259 <210> SEQ ID NO: 22
260 <211> LENGTH: 23
261 <212> TYPE: DNA
262 <213> ORGANISM: Homo sapiens
```

RAW SEQUENCE LISTING   DATE: 07/23/2002
PATENT APPLICATION: US/08/952,570B   TIME: 14:37:20

Input Set : A:\08269-006001.txt
Output Set: N:\CRF3\07232002\H952570B.raw

264 <400> SEQUENCE: 22
265 gatcatattc gtccacaaaa tga   23
267 <210> SEQ ID NO: 23
268 <211> LENGTH: 7
269 <212> TYPE: PRT
270 <213> ORGANISM: Coxsackievirus
272 <400> SEQUENCE: 23
273 Glu Ala Leu Phe Gln Gly Pro
274   1   5

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/23/2002
PATENT APPLICATION: US/08/952,570B   TIME: 14:37:21

Input Set : A:\08269-006001.txt
Output Set: N:\CRF3\07232002\H952570B.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 1
Seq#:13; N Pos. 1
Seq#:14; N Pos. 1
Seq#:15; N Pos. 1
Seq#:16; N Pos. 1
Seq#:20; N Pos. 1